

Title (en)
HIGH-TEMPERATURE-RESISTANT AROMATIC POLYETHERS

Publication
EP 0161453 B1 19880629 (DE)

Application
EP 85103939 A 19850401

Priority
DE 3414144 A 19840414

Abstract (en)
[origin: EP0161453A1] 1. A heat-stable aromatic polyether, composed of diphenols of the formula see diagramm : EP0161453,P23,F1 where n is O or an integer from 1 to 4, R is C1 -C4 -alkyl, halogen or C1 -C4 -alkoxy and X is O, S, S-S, SO, SO₂, CO, N=N, N=N, NR^{**1} (where R^{**1} is C1 -C4 -alkyl or phenyl), CH₂ -CH₂, CF₂ -CF₂, CR^{**2} (where R^{**2} is H, F, CF₃ or C1 -C5 -alkyl, and -R^{**2}CR^{**2}- may furthermore be part of a saturated ring system and R^{**2} may be identical or different, O=PR^{**3} (where R^{**3} is methyl, phenyl, methoxy or phenoxy), Si(CH₃)₂ or a chemical bond, and mononuclear aromatic halogen compounds having two or more halogen substituents, of the formulae II-VIII see diagramm : EP0161453,P23,F2 where o is 2, 3 or 4, p is 1, 2 or 3, q is 0, 1 or 2, Hal is F, Cl or Br, E is CN, NO₂, CF₃, SO₂ R^{**4}, where R^{**4} is C1 -C4 -alkyl or phenyl which may be substituted by methyl, methoxy or cyano, and R^{**5} is C1 -C4 -alkyl, CF₃, allyl, or phenyl or benzyl which is substituted by methyl, methoxy see diagramm : EP0161453,P23,F3 where Hal, E, R^{**5}, o and q have the same meanings as in formula (II) and r is 0, 1 or 2 and, where q is 1, R^{**5} may furthermore be -OCH₃, -OC₂H₅-, -OC₄H₉ or -OC₆H₅; see diagramm : EP0161453,P23,F4 where Hal and E have the same meanings as in formula (II) and s is 2 or 3 and t is 1 or 2; see diagramm : EP0161453,P23,F5 where Hal and SO₂ R^{**4} and o have the same meanings as in formula (II) and u is 2, 3 or 4 and v is 0 or 1; see diagramm : EP0161453,P24,F6 where Hal and o have the same meanings as in formula (II), R^{**6} is C1 -C6 -alkyl, allyl, phenyl which may be substituted by methyl, halogen, methoxy, cyano or phenyl, or benzyl which may be substituted by methyl, methoxy, halogen or cyano, w is 1 or 2, x is 1, 2 or 3, y is 0, 1 or 2 and z is 0 or 1.

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C08G 65/40

IPC 8 full level
C08G 65/40 (2006.01)

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C08G 65/4006 (2013.01); **C08G 2650/48** (2013.01)

Cited by
EP0163894A3; US5036146A; EP0187348A3; US5902646A; EP0163893A3; EP0495381A3; US5300625A

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